

RS PRO Photoelectric Sensor

RS Stock No.: 202-5453, 202-5454

FEATURES

- Retro reflection working principle;
- Excellent anti-interference performance;
- High detection accuracy;
- With special on-delay and off-delay function.



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Part Number Description

Part number	Sensing distance	Light source	Output	Connection
202-5453	5m (non-adjustable)	Infrared LED (880nm)	NPN NO+NC	Terminal
202-5454	5m (non-adjustable)	Infrared LED (880nm)	PNP NO+NC	Terminal

General Specifications

Detection Type	Retro reflection
Standard target	TD-05 reflector
Detection target	Opaque object
Response Time	≤8.2ms
Hysteresis [%/Sr]
Indicator	Power: Green LED; Output: Yellow LED
Repeat accuracy [R]	≤5%
Ambient Temperature	-15°C...55 °C
Ambient humidity	35...85%RH (Non-condensing)

Electrical Specifications

Operating Supply Voltage	10...30 VDC
Current Consumption	≤25mA
Residual voltage	≤2.5V
Load Current	≤200mA
Voltage withstand	1000V/AC 50/60Hz 60s
Insulation resistance	≥50MΩ(500VDC)
Vibration resistance	10...50Hz (0.5mm)
Reverse Polarity Protection	YES
Overload Protection	YES
Short Circuit Protection	YES

Mechanical Specifications

Body Style	Block
Mounting Type	Screw
Housing Material	PC/ABS
Dimensions	88*65*25mm
Gross Weight	210g

Protection Category

IP Rating	IP67
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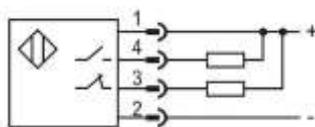
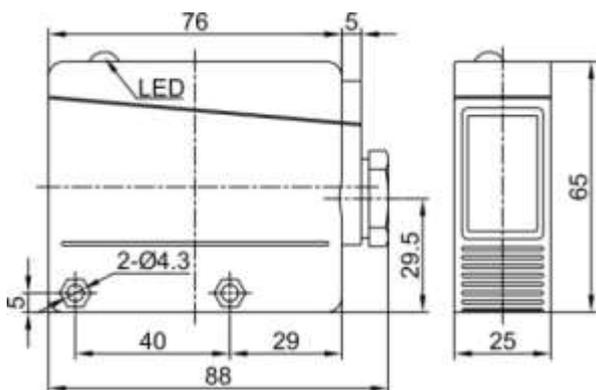
Additional Information

Custom Tariff Number/HS code	903180
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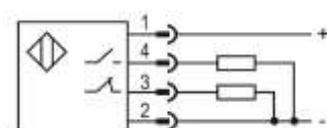
Approvals

Compliance/Certifications	CE
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Dimension and Wiring



NPN NO+NC



PNP NO+NC